



**McLAUGHLIN GORMLEY KING COMPANY**

8810 Tenth Avenue North • Minneapolis, Minnesota 55427-4319 U.S.A.

457629-00

September 13, 2002

Mr. George LaRocca, PM13  
Document Processing Desk (APPL)  
Office of Pesticide Programs (H7505C)  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460-0001

Subject: New Registration  
MULTICIDE® Fogging Concentrate 2798  
EPA File Symbol 1021-Unassigned

1021-RTOL

Dear Mr. LaRocca:

Enclosed are the necessary documents to support new registration of the subject product using the "Selective" method of registration. Specifically, the following items are included:

Application for Pesticide Registration  
Confidential Statement of Formula - Basic  
MSDS' for 2 Proprietary Inerts  
Confidential Statement of Formula - Alternate  
MSDS' for 2 Proprietary Inerts  
Certification With Respect to Citation of Data  
Formulator's Exemption  
Data Requirement Matrix  
Date Requirement Matrix for Active Ingredient  
Proposed Label - 5 Copies

To fulfill the data requirements for registration, the following reports are enclosed in triplicate:

45762901	Vol. 1 of 9	Acute Oral Toxicity - Rats Guideline 81-1
45762902	Vol. 2 of 9	Acute Dermal Toxicity - Rabbits Guideline 81-2
45762903	Vol. 3 of 9	Acute Inhalation Toxicity - Rats Guideline 81-3
45762904	Vol. 4 of 9	Primary Eye Irritation - Rabbits Guideline 81-4

Mr. George LaRocca  
September 13, 2002  
Page Two

45762905 Vol. 5 of 9 Primary Skin Irritation - Rabbits  
Guideline 81-5

45762906 Vol. 6 of 9 Dermal Sensitization Study - Guinea Pigs - Buehler Method  
Guideline 81-6

45762907 Vol. 7 of 9 Product Performance/Efficacy Reports

45762908 Vol. 8 of 9 Product Chemistry of MULTICIDE® Fogging Concentrate 2798  
(Basic Formula)  
Guideline Nos. 61-1 to 61-3, 62-1 to 62-3, 63-2 to 63-21

45762909 Vol. 9 of 9 Product Chemistry of MULTICIDE® Fogging Concentrate 2798  
(Alternate Formula)  
Guideline Nos. 61-1 to 61-3, 62-1 to 62-3, 63-2 to 63-21

Please advise us of the MRID numbers assigned to this data for future reference.

If there are any questions concerning this submission, please contact the undersigned.

Sincerely,

McLAUGHLIN GORMLEY KING COMPANY

*Julie B. Schlekau*

Julie B. Schlekau  
Registration Specialist

Enclosures

c: Bill Chase, MGK  
Dave Carlson, MGK



 United States Environmental Protection Agency Washington, DC 20460		X Registration Amendment Other	OPP Identifier Number <span style="font-size: 1.5em; color: red;">279966</span>
<b>Application for Pesticide - Section I</b>			
1. Company/Product Number <div style="text-align: right;">1021- <i>ATO L</i></div>		2. EPA Product Manager <div style="text-align: right;">George LaRocca</div>	
4. Company/Product (Name) MULTICIDE® Fogging Concentrate 2798		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name and Address of Applicant (Include Zip Code) McLAUGHLIN GORMLEY KING COMPANY 8810 TENTH AVENUE NORTH MINNEAPOLIS, MN 55427  <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____	
<b>Section - II</b>			
<input type="checkbox"/> Amendment - Explain below.		<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	
<input type="checkbox"/> Resubmission in response to Agency letter dated _____		<input type="checkbox"/> "Me Too" Application.	
<input type="checkbox"/> Notification - Explain below.		<input type="checkbox"/> Other - Explain below.	
Explanation: Use additional page(s) if necessary. (For section I and Section II.)			
<b>Section - III</b>			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  If "Yes" Unit Packaging wgt. _____	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  If "Yes" Package wgt. _____	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 gal. - 55 gal.	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other			
<b>Section - IV</b>			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name JULIE B. SCHLEKAU		Title Registration Specialist	
		Telephone No. (Include Area Code) (763) 544-0341	
Certification  I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)  
2. Signature 		3. Title Registration Specialist	
4. Typed Name JULIE B. SCHLEKAU		5. Date 9/13/02	





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.

WASHINGTON, D.C. 20460

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Do not send the completed form to this address.

## Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427 Telephone: 763-544-0341	EPA Registration Number/File Symbol 1021-
Active Ingredient(s) and/or representative test compound(s) SUMITHRIN®; Piperonyl Butoxide, ETOC®	Date 9/13/02
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Non-Crop	Product Name MULTICIDE® Fogging Concentrate 2798

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

## SECTION I: METHOD OF DATA SUPPORT (Check one method only)

<input type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose)	<input checked="" type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method) and have included with this form a completed list of data requirements (the Data Matrix form must be used).
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## SECTION II: GENERAL OFFER TO PAY

(Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements)

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

## SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either; (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all the attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature <i>Julie B Schlekau</i>	Date 9/13/02	Typed or Printed Name and Title Julie Schlekau, Registration Specialist
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ATTACHMENT A

FORMULATOR'S EXEMPTION STATEMENT  
(40 CFR 152.85)

EPA File Symbol/Reg. No. 1021-\_\_\_\_\_

Product Name MULTICIDE® Fogging Concentrate 2798

APPLICANT'S NAME AND ADDRESS McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

As an authorized representative of the applicant for registration of the product identified above, I hereby certify that:

(1) This product contains the active ingredient(s):

SUMITHRIN®  
ETOC®

(2) Each active ingredient listed in paragraph (1) is present solely as the result of the incorporation into the product (during formulation or packaging) of another product which contains that active ingredient, which is registered under FIFRA sec. 3, and which is purchased by us from another producer.

(3) Indicate by circling (A) or (B) below which paragraph applies:

(A) An accurate Confidential Statement of Formula (EPA Form 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, the registration number and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

(B) The Confidential Statement of Formula dated \_\_\_\_\_ on file with the EPA is complete, current and accurate and contains the information required on the current CSF Form No. 8570-4. The registered source(s) of the active ingredient(s) listed in paragraph (1) is/are listed below:

Active Ingredient

Source: Product Name and Reg. No.

SUMITHRIN  
ETOC

[REDACTED]

Signature: John B Schlekau  
Title: Registration Specialist

Dated: 9/13/02

EPA Form (April 1985)

\*Product ingredient source information may be entitled to confidential treatment\*





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DATA MATRIX

Date 13-Sep-02 EPA Reg. No. 1021- Page 1 of 2

Applicant's/Registrant's Name & Address

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

Product

MULTICIDE® Fogging Concentrate 2798

Ingredient SUMITHRIN®, Piperonyl Butoxide, ETOC®

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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81-1	Acute Oral LD <sub>50</sub> - Rat	Vol. 1 of 9	1021	OWN	
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81-2	Acute Dermal LD <sub>50</sub>	Vol. 2 of 9	1021	OWN	
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81-3	Acute Inhalation LC <sub>50</sub> - Rat	Vol. 3 of 9	1021	OWN	
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81-4	Primary Eye Irritation - Rabbit	Vol. 4 of 9	1021	OWN	
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81-5	Primary Dermal Irritation	Vol. 5 of 9	1021	OWN	
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81-6	Dermal Sensitization	Vol. 6 of 9	1021	OWN	
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	Efficacy	Vol. 7 of 9	1021	OWN	
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61-1	Identity of ingredients	See CSF	1021	OWN	
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61-2	Statement of composition	Attached	1021	OWN	
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61-3	Discussion of formation of ingredients	Vol. 8 of 9	1021	OWN	
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62-1	Preliminary analysis	Vol. 8 of 9	1021	OWN	
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62-2	Certification of limits	See CSF	1021	OWN	
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62-3	Analytical method for enforcement limits	Vol. 8 of 9	1021	OWN	
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63-2	Color	Vol. 8 of 9	1021	OWN	
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63-3	Physical state	Vol. 8 of 9	1021	OWN	
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63-4	Odor	Vol. 8 of 9	1021	OWN	
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63-5	Melting Point (4)	Vol. 8 of 9	1021	OWN	
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Signature

Julie B Schlekau

Name and Title

Julie Schlekau, Registration Specialist

Date

13-Sep-02

For Basic Formula





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DATA MATRIX

Date	13-Sep-02	EPA Reg. No. 1021-	Page 2 of 2
Applicant's/Registrant's Name & Address		Product	
McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		MULTICIDE® Fogging Concentrate 2798	
Ingredient SUMITHRIN®, Piperonyl Butoxide, ETOC®			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter
63-6	Boiling Point (5)	Vol. 8 of 9	1021
63-7	Density, Bulk Density, or Specific Gravity	Vol. 8 of 9	1021
63-8	Solubility	Vol. 8 of 9	1021
63-9	Vapor pressure	Vol. 8 of 9	1021
63-10	Dissociation Constant	Vol. 8 of 9	1021
63-11	Octano/Water Partition Coefficient (6)	Vol. 8 of 9	1021
63-12	pH (7)	Vol. 8 of 9	1021
63-13	Stability	Vol. 8 of 9	1021
63-14	Oxidizing/Reducing Reaction (8)	Vol. 8 of 9	1021
63-15	Flammability (9)	Vol. 8 of 9	1021
63-16	Explosibility (10)	Vol. 8 of 9	1021
63-17	Storage Stability	Underway	1021
63-18	Viscosity (11)	Vol. 8 of 9	1021
63-19	Miscibility (12)	Vol. 8 of 9	1021
63-20	Corrosion Characteristics	Vol. 8 of 9	1021
63-21	Dielectric Breakdown Voltage (13)	Vol. 8 of 9	1021
Signature		Name and Title	
Julie Schlekau		Julie Schlekau, Registration Specialist	





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## DATA MATRIX

Date	13-Sep-02	EPA Reg. No. 1021-	Page 1 of 2
Applicant's/Registrant's Name & Address		Product	
McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		MULTICIDE® Fogging Concentrate 2798	

Ingredient		SUMITHRIN®; Piperonyl Butoxide, ETOC®			
Guideline Reference Number	Guideline Study Name	MRID Number			
			Submitter	Status	Note
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
			1021	OWN	
Signature		Julie Schlekau			
		Name and Title Julie Schlekau, Registration Specialist			
		Date 13-Sep-02			

Signature

John S. Schless

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version

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DATA MATRIX

Date 13-Sep-02

Applicant's/Registrant's Name & Address

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

Ingredient SUMITHRIN®; Piperonyl Butoxide, ETOC®

Guideline Reference Number Guideline Study Name

MRID Number

EPA Reg. No. 1021-

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Product

MULTICIDE® Fogging Concentrate 2798

Submitter

Status

Note

1021	OWN	
1021	OWN	
1021	OWN	
1021	OWN	
1021	OWN	
1021	OWN	
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1021	OWN	
1021	OWN	
1021	OWN	
1021	OWN	
1021	OWN	
1021	OWN	

Signature

Julie B Schleka

SEP 17 2002

Name and Title  
Julie Schleka, Registration Specialist

Date  
13-Sep-02

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## DATA MATRIX

Date 13-Sep-02

Applicant's/Registrant's Name &amp; Address

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No. 1021-  
Product

MULTICIDE® Fogging Concentrate 2798

Page 1 of 2

Ingredient SUMITHRIN®; Piperonyl Butoxide, ETOC®

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-1	Acute Oral LD <sub>50</sub> - Rat	Vol. 1 of 9	1021	OWN	
81-2	Acute Dermal LD <sub>50</sub>	Vol. 2 of 9	1021	OWN	
81-3	Acute Inhalation LC <sub>50</sub> - Rat	Vol. 3 of 9	1021	OWN	
81-4	Primary Eye Irritation - Rabbit	Vol. 4 of 9	1021	OWN	
81.5	Primary Dermal Irritation	Vol. 5 of 9	1021	OWN	
81-6	Dermal Sensitization	Vol. 6 of 9	1021	OWN	
	Efficacy	Vol. 7 of 9	1021	OWN	
61-1	Identity of ingredients	See CSF	1021	OWN	
61-2	Statement of composition	Attached	1021	OWN	
61-3	Discussion of formation of ingredients	Vol. 9 of 9	1021	OWN	
62-1	Preliminary analysis	Vol. 9 of 9	1021	OWN	
62-2	Certification of limits	See CSF	1021	OWN	
62-3	Analytical method for enforcement limits	Vol. 9 of 9	1021	OWN	
63-2	Color	Vol. 9 of 9	1021	OWN	
63-3	Physical state	Vol. 9 of 9	1021	OWN	
63-4	Odor	Vol. 9 of 9	1021	OWN	
63-5	Melting Point (4)	Vol. 9 of 9	1021	OWN	
Signature	<i>Julie B Schlekau</i>		Name and Title Julie Schlekau, Registration Specialist	Date 13-Sep-02	

For Alternate  
Formula





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DATA MATRIX

Date	13-Sep-02	EPA Reg. No. 1021-	Page 2 of 2		
Applicant's/Registrant's Name & Address McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		Product MULTICIDE® Fogging Concentrate 2798			
Ingredient SUMITHRIN®, Piperonyl Butoxide, ETOC®					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-6	Boiling Point (5)	Vol. 9 of 9	1021	OWN	
63-7	Density, Bulk Density, or Specific Gravity	Vol. 9 of 9	1021	OWN	
63-8	Solubility	Vol. 9 of 9	1021	OWN	
63-9	Vapor pressure	Vol. 9 of 9	1021	OWN	
63-10	Dissociation Constant	Vol. 9 of 9	1021	OWN	
63-11	Octano/Water Partition Coefficient (6)	Vol. 9 of 9	1021	OWN	
63-12	pH (7)	Vol. 9 of 9	1021	OWN	
63-13	Stability	Vol. 9 of 9	1021	OWN	
63-14	Oxidizing/Reducing Reaction (8)	Vol. 9 of 9	1021	OWN	
63-15	Flammability (9)	Vol. 9 of 9	1021	OWN	
63-16	Explosibility (10)	Vol. 9 of 9	1021	OWN	
63-17	Storage Stability	Underway	1021	OWN	
63-18	Viscosity (11)	Vol. 9 of 9	1021	OWN	
63-19	Miscibility (12)	Vol. 9 of 9	1021	OWN	
63-20	Corrosion Characteristics	Vol. 9 of 9	1021	OWN	
63-21	Dielectric Breakdown Voltage (13)	Vol. 9 of 9	1021	OWN	
Signature <i>Julie B Schlekau</i>		Name and Title Julie Schlekau, Registration Specialist		Date 13-Sep-02	













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Form Approved OMB No. 2070-0060

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DATA MATRIX

Date 9/13/02 EPA Reg. No./File Symbol 1021- Page 1 of 12

Applicant's/Registrant's Name & Address Product

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

MULTICIDE® Fogging Concentrate 2798

Ingredient Piperonyl Butoxide

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
61-1	Chemical Identity	41029601		1021 Own	
		40175001		1021 Own	
		148851		1021 Own	
		148852		1021 Own	
61-2(a)	Begin. Mat. & Mfg. Proc.	149079		1021 Own	
		148851		1021 Own	
		148852		1021 Own	
		40136701		1021 Own	
		42497101		1021 Own	
61-2(b)	Discussion of Impurities	42497101		1021 Own	
		40175001		1021 Own	
		148851		1021 Own	
		148852		1021 Own	
62-1	Preliminary Analysis	43288601		1021 Own	
		42497101		1021 Own	
		40175001		1021 Own	
		148851		1021 Own	
		148852		1021 Own	
62-2	Certification of Limits	43288601		1021 Own	
		42497101		1021 Own	
		40935801		1021 Own	
		148851		1021 Own	
		148852		1021 Own	
62-3	Analytical Method	41029601		1021 Own	
		148851		1021 Own	
Signature	Name and Title		Date		
	Julie B. Schlekau		9/13/02		
	Registration Specialist				





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Form Approved OMB No. 2070-0060

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DATA MATRIX

Date 9/13/02

Applicant's/Registrant's Name & Address  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No./File Symbol  
Product:  
MULTICIDE® Fogging Concentrate 2798

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Ingredient	Piperonyl Butoxide	MRID Number	Submitter	Status	Note
Guideline Reference Number	Guideline Study Name				
62-3 (cont)		148852		1021 Own	
63-2	Color	40955501		1021 Own	
		42142801		1021 Own	
63-3	Physical State	40955501		1021 Own	
		42142801		1021 Own	
63-4	Odor	40955501		1021 Own	
		42142801		1021 Own	
63-5	Melting Point	40935301		1021 Own	
		40955501		1021 Own	
63-6	Boiling Point	43288601		1021 Own	
		40955501		1021 Own	
63-7	Density	40955501		1021 Own	
		42142801		1021 Own	
63-8	Solubility	43288601		1021 Own	
		41198201		66045 Own	
		41172301		1021 Own	
63-9	Vapor Pressure	40955501		66045 Own	
		42142801		1021 Own	
63-10	Dissociation Constant	40935301		1021 Own	
		40955501		1021 Own	
63-11	OctWater Partition Coef.	43288601		1021 Own	
		42142801		1021 Own	
		41198202		66045 Own	
		41172302		1021 Own	
		41198202		1021 Own	
Signature	Name and Title		Date		
	Julie B. Schlekau		9/13/02		
	Registration Specialist				





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Date 9/13/02 EPA Reg. No./File Symbol 1021- Page 3 of 12

Applicant's/Registrant's Name & Address

Product

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

MULTICIDE® Fogging Concentrate 2798

Ingredient	Piperonyl Butoxide				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-12	pH	40935301		1021 Own	
		40955501		1021 Own	
63-13	Stability	43780301		1021 Own	
		43288600		1021 Own	
		40955501		1021 Own	
63-14	Oxidizing/Reduction Action	40935301		1021 Own	
		40955501		1021 Own	
63-15	Flammability	40935301		1021 Own	
		40955501		1021 Own	
63-16	Explosibility	40935301		1021 Own	
		40955501		1021 Own	
63-17	Storage Stability	40935301		1021 Own	
		40955501		1021 Own	
63-18	Viscosity	40935301		1021 Own	
		40955501		1021 Own	
63-19	Miscibility	40935301		1021 Own	
		40955501		1021 Own	
63-20	Corrosion Characteristics	40935301		1021 Own	
		40955501		1021 Own	
63-21	Dielectric Breakdown Volt	40955501		1021 Own	
71-1(a)	Acute Avian Oral Quail/Duck	41969008		66045 Own	
71-2(a)	Acute Avian Diet. Quail	41969006		66045 Own	
		41969008		66045 Own	
71-2(b)	Acute Avian Diet. Duck	41969007		66045 Own	
Signature	Julie B. Schlekau		Name and Title	Julie B. Schlekau	
	Registration Specialist			Date	
				9/13/02	





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Date 9/13/02 EPA Reg. No./File Symbol 1021- Page 4 of 12

Applicant's/Registrant's Name & Address

Product

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

MULTICIDE® Fogging Concentrate 2798

Ingredient	Piperonyl Butoxide	MRID Number	Submitter	Status	Note
Guideline Reference Number	Guideline Study Name				
71-4(a)	Avian Repro. Quail	43876301		66045 Own	
71-4(b)	Avian Repro. Duck	43876302		66045 Own	
72-1(a)	Fish Toxicity Bluegill	42540302		66045 Own	
		40991205		66045 Own	
72-1(b)	Fish Toxicity Bluegill TEP			Gap	
72-1(c)	Fish Toxicity Rainbow	42540303		66045 Own	
		40991205		66045 Own	
72-1(d)	Fish Toxicity Rainbow TEP			Gap	
72-2(a)	Invertebrate Toxicity	42540301		66045 Own	
		40991209		66045 Own	
72-2(b)	Invertebrate Toxicity TEP			Gap	
72-3(a)	Estu/Mari Tox. Fish	42540304		66045 Own	
72-3(b)	Estu/Mari Tox. Mollusk	42540305		66045 Own	
		40991211		66045 Own	
72-3(c)	Estu/Mari Tox. Shrimp	43901801		66045 Own	
		42540306		66045 Own	
72-3(d)	Estu/Mari Tox. Fish TEP			Gap	
72-3(e)	Estu/Mari Tox. Mollusk TEP			Gap	
72-3(f)	Estu/Mari Tox. Shrimp TEP			Gap	
72-4(a)	Early Life Stage Fish	43300301		66045 Own	
72-4(b)	Life Cycle Invertebrate	43311301		66045 Own	
		42538801		66045 Own	
		42335901		66045 Own	
81-1	Acute Oral Tox. Rat	41969001		66045 Own	
Signature	<i>Julie B. Schlekau</i>		Name and Title Julie B. Schlekau Registration Specialist	Date 9/13/02	





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McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No./File Symbol 1021-  
Product  
MULTICIDE® Fogging Concentrate 2798

Ingredient	Piperonyl Butoxide	MRID Number	Submitter	Status	Note
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-2	Acute Dermal Tox. Rabbit	41969002	66045 Own	Own	
81-3	Acute Inhal. Tox. Rat	41990001	66045 Own	Own	
81-4	Primary Eye Irritation	41969004	66045 Own	Own	
81-5	Primary Dermal Irritation	41969003	66045 Own	Own	
81-6	Dermal Sensitization	41969005	66045 Own	Own	
82-1(a)	90-Day Feeding-Rodent		Gap	Gap	
82-1(b)	90-Day Feeding--Nonrodent		Gap	Gap	
82-2	21-Day Dermal Rabbit	42218201	66045 Own	Own	
82-4	90-Day Inhal. Rat	42477101	66045 Own	Own	
83-1(a)	Chronic Tox-Rodent	42511701	66045 Own	Own	
		40323701	66045 Own	Own	
83-1(b)	Chronic Tox-Nonrodent	42926001	66045 Own	Own	
		42926002	66045 Own	Own	
		43992201	66045 Own	Own	
83-2(a)	Oncomogenicity - Rat	40323701	66045 Own	Own	
83-2(b)	Ocogenicity - Mouse	42978001	66045 Own	Own	
		42903701	66045 Own	Own	
		42641301	66045 Own	Own	
		42511701	66045 Own	Own	
83-3(a)	Teratogenicity - Rat	42586901	66045 Own	Own	
		42380801	66045 Own	Own	
83-3(b)	Teratogenicity - Rabbit	157157	Gap	Gap	
83-4	2-Generation Repro.	161118	66045 Own	Own	
Signature	Name and Title		Date		
	Julie B. Schlekau		9/13/02		
	Registration Specialist				





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Applicant's/Registrant's Name & Address

Product

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

MULTICIDE® Fogging Concentrate 2798

Ingredient	Piperonyl Butoxide				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2(a)	Gene Mutation-Ames	41969010	66045	Own	
		42004502	66045	Own	
84-2(b)	Struct. Chrom. Aberrat	43013801	66045	Own	
		42004501	66045	Own	
84-4	Unscheduled DNA	41969011	66045	Own	
		42004503	66045	Own	
85-1	General Metabolism	41998401	66045	Own	
		41998701	66045	Own	
132-1(a)	Foliar Residue Dissipation			Gap	
132-1(b)	Soil Residue Dissipation			Reserved	
133-3	Dermal Passive Dosimet			Gap	
133-4	Inhal. Passive Dosimet				
141-1	Honey Bee Acute Contact	41969009	66045	Waived	
160-5	Chemical Identity	41029601	66045	Own	
		40955501	66045	Own	
		40175001	66045	Own	
161-0	Henry's Law Constant	42015801	66045	Own	
		42490204	66045	Own	
161-1	Hydrolysis	43595601	66045	Own	
161-2	Photodegradation-Water	43637201	66045	Own	
161-3	Photodegradation-Soil	43702801	66045	Own	
161-4	Photodegradation-Air			Inapplicable	
162-1	Aerobic Soil Metabolis	43806401	66045	Own	
162-2	Anaerobic Soil Metabol		66045	Waived	
Signature	Name and Title Julie B. Schiekau Registration Specialist				
Date 9/13/02					





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DATA MATRIX

Date 9/13/02  
Applicant's/Registrant's Name & Address  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No./File Symbol 1021-  
Product  
MULTICIDE® Fogging Concentrate 2798

Ingredient		Piperonyl Butoxide			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
162-3	Anaerobic Aquatic Meta	43836501		66045 Own	
162-4	Aerobic Aquatic Metab.	43803401		66045 Own	
163-1	Leach/Adsorp/Desorption	43673801		66045 Own	
		43673802		66045 Own	
		42526301		66045 Own	
		42490203		66045 Own	
		41820301		66045 Own	
163-2	Volatility-Lab			Inapplicable	
163-3	Bolality-Field			Inapplicable	
164-1	Terrestrial Field Dissipation	43838401		66045 Own	
164-2	Aquatic Field Dissipation	43838402		66045 Own	
164-3	Forest Field Dissipation			Reserved	
164-5	Long Term Soil Dissipation			Reserved	
165-1	Confined Rotational Crop			Gap	
165-3	Accumulation - Irrig. C			Reserved	
165-4	Bioaccumulation in Fish	42538803		66045 Own	
		42404401		66045 Own	
165-5	Bioaccum-Aquatic Non-Target			Reserved	
166-1	Grd Water-Small Prospe			Reserved	
166-2	Grd Water-Sm. Retrospe			Reserved	
166-3	Grd Water-Irg Retrospe			Reserved	
171-2	Chemical Identity	41029601		66045 Own	
		40955501		66045 Own	
		40175001		66045 Own	
Signature		Name and Title		Date	
<i>Julie B Schlekau</i>		Julie B. Schlekau Registration Specialist		9/13/02	





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Date 9/13/02  
Applicant's/Registrant's Name & Address  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No./File Symbol 1021-  
Product  
MUL TICIDE® Fogging Concentrate 2798

Ingredient		Piperonyl Butoxide			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(a)	Nature of Residue-PI	43946801		66045 Own	
		43946802		66045 Own	
		43832901		66045 Own	
		43832902		66045 Own	
		43832903		66045 Own	
		43227701		66045 Own	
		43227702		66045 Own	
		43227703		66045 Own	
171-4(b)	Nature of Residue-Li	43712601		66045 Own	
		43643201		66045 Own	
		40930501		66045 Own	
		40930502		66045 Own	
		40772501		66045 Own	
		42032301		66045 Own	
		42032302		66045 Own	
171-4(c)	Res. Analyt. Method	43971301		66045 Own	
171-4(d)	Res. Analyt. Method			Gap	
171-4(e)	Storage Stability			Gap	
171-4(f)	Mag. Of Res. Potable H	43125701		66045 Own	
171-4(g)	Mag. Of Res. In Fish			Gap	
171-4(h)	Mag. Of Res. Irrigated			Gap	
Signature		Name and Title		Date	
<i>Julie B Schlekau</i>		Julie B. Schlekau		9/13/02	
		Registration Specialist			





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Date 9/13/02

Applicant's/Registrant's Name & Address

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No./File Symbol 1021-  
Product

MULTICIDE® Fogging Concentrate 2798

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Ingredient	Piperonyl Butoxide				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(I)	Mag. Of Res. Food Hand	41998201		66045 Own	
		41998202		66045 Own	
		41998203		66045 Own	
		41998204		66045 Own	
		41998205		66045 Own	
		42009801		66045 Own	
		42009802		66045 Own	
		42009803		66045 Own	
		42009804		66045 Own	
		42009805		66045 Own	
171-4(I)	Mag. Meat/Milk/Poultry	43869701		66045 Own	
		44168202		66045 Own	
		44166203		66045 Own	
		43869702		66045 Own	
171-4(k)	Beans, Dried	43470704		66045 Own	
		44249301		1021 Own	
	Beans, Succulent	43470704		66045 Own	
		43942401		66045 Own	
	Beets, Sugar	43470702		66045 Own	
	Blackberry	43371901		66045 Own	
	Blueberry	43371901		66045 Own	
	Broccoli	43292801		66045 Own	
	Cabbage	43292801		66045 Own	
Signature	<i>Julie B Schlekau</i>		Name and Title Julie B. Schlekau Registration Specialist	Date 9/13/02	





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Date	9/13/02	EPA Reg. No./File Symbol	1021-	Page	10	of	12
Applicant's/Registrant's Name & Address		Product					
McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		MULTICIDE® Fogging Concentrate 2798					

Ingredient	Piperonyl Butoxide						
Guideline Reference Number	Guideline Study Name	M/RID Number	Submitter	Status	Note		
171-4(k)	Carrot	43901804		66045 Own			
		43232601		66045 Own			
	Celery	43909301		66045 Own			
		43232601		66045 Own			
	Cotton	43702401		66045 Own			
	Cranberry	43371901		66045 Own			
	Cucumber	43903601		66045 Own			
		43251401		66045 Own			
	Grapefruit	43443401		66045 Own			
	Grapes	43371901		66045 Own			
	Lemon	43443401		66045 Own			
	Lettuce, Head	43909301		66045 Own			
		43232601		66045 Own			
	Lettuce, Leaf	43909301		66045 Own			
		43232601		66045 Own			
		44249301		1021 Own			
		70695		1021 Own			
	Melons, Cantaloupe	43903601		66045 Own			
		43251401		66045 Own			
	Mustard (greens)	43292801		66045 Own			
	Orange	43443401		66045 Own			
	Pasturegrass	44249301		1021 Own			
	Peas, Dried	43470704		66045 Own			
	Peas, Succulent	43470704		66045 Own			
	Peppers (bell/chili/sweet)	43901802		66045 Own			
		43299301		66045 Own			
Signature	<i>Julie B. Schlekau</i>		Name and Title	Julie B. Schlekau Registration Specialist		Date	9/13/02





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Date: 9/13/02  
Applicant's/Registrant's Name & Address: McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

MULTICIDE® Fogging Concentrate 2798

Ingredient		Piperonyl Butoxide		Product	
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4(k)	Potato	43901804	66045 Own	1021-	
		43470702	66045 Own		
		44166201	66045 Own		
		43470702	66045 Own		
	Radish	43901804	66045 Own		
		43470702	66045 Own		
	Rice	70695	1021 Own		
		44249301	1021 Own		
	Sorghum	70695	1021 Own		
		44249301	1021 Own		
	Spinach	43909301	66045 Own		
		43232601	66045 Own		
	Squash (summer)	43903601	66045 Own		
		43251401	66045 Own		
	Strawberry	43371901	66045 Own		
	Tomato	43901802	66045 Own		
		43299301	66045 Own		
	Turnip	70695	66045 Own		
		44249301	1021 Own		
171-4(l)	Beans, Dried	43942401	66045 Own		
		43470703	66045 Own		
	Beets, Sugar	43470705	66045 Own		
		43470703	66045 Own		
Signature	Name and Title		Date		
	Julie B. Schlekau		9/13/02		
	Registration Specialist				













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Date	9/13/02
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Applicant's/Registrant's Name &amp; Address

Product	Unit Price	Quantity	Total Price
Product A	10	5	50
Product B	20	3	60
Product C	30	2	60
Product D	40	1	40
Product E	50	1	50
Product F	60	1	60
Product G	70	1	70
Product H	80	1	80
Product I	90	1	90
Product J	100	1	100
Product K	110	1	110
Product L	120	1	120
Product M	130	1	130
Product N	140	1	140
Product O	150	1	150
Product P	160	1	160
Product Q	170	1	170
Product R	180	1	180
Product S	190	1	190
Product T	200	1	200
Product U	210	1	210
Product V	220	1	220
Product W	230	1	230
Product X	240	1	240
Product Y	250	1	250
Product Z	260	1	260
Product AA	270	1	270
Product AB	280	1	280
Product AC	290	1	290
Product AD	300	1	300
Product AE	310	1	310
Product AF	320	1	320
Product AG	330	1	330
Product AH	340	1	340
Product AI	350	1	350
Product AJ	360	1	360
Product AK	370	1	370
Product AL	380	1	380
Product AM	390	1	390
Product AN	400	1	400
Product AO	410	1	410
Product AP	420	1	420
Product AQ	430	1	430
Product AR	440	1	440
Product AS	450	1	450
Product AT	460	1	460
Product AU	470	1	470
Product AV	480	1	480
Product AW	490	1	490
Product AX	500	1	500
Product AY	510	1	510
Product AZ	520	1	520
Product BA	530	1	530
Product BB	540	1	540
Product BC	550	1	550
Product BD	560	1	560
Product BE	570	1	570
Product BF	580	1	580
Product BG	590	1	590
Product BH	600	1	600
Product BI	610	1	610
Product BJ	620	1	620
Product BK	630	1	630
Product BL	640	1	640
Product BM	650	1	650
Product BN	660	1	660
Product BO	670	1	670
Product BP	680	1	680
Product BQ	690	1	690
Product BR	700	1	700
Product BS	710	1	710
Product BT	720	1	720
Product BU	730	1	730
Product BV	740	1	740
Product BW	750	1	750
Product BX	760	1	760
Product BY	770	1	770
Product BZ	780	1	780
Product CA	790	1	790
Product CB	800	1	800
Product CC	810	1	810
Product CD	820	1	820
Product CE	830	1	830
Product CF	840	1	840
Product CG	850	1	850
Product CH	860	1	860
Product CI	870	1	870
Product CJ	880	1	880
Product CK	890	1	890
Product CL	900	1	900
Product CM	910	1	910
Product CN	920	1	920
Product CO	930	1	930
Product CP	940	1	940
Product CQ	950	1	950
Product CR	960	1	960
Product CS	970	1	970
Product CT	980	1	980
Product CU	990	1	990
Product CV	1000	1	1000
Product CW	1010	1	1010
Product CX	10		

8810 Tenth Avenue North

MULTICIDE® Fogging Concentrate 2798

Minneapolis, MN 55427

Ingredient	Piperonyl Butoxide
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Guideline Reference Number	Guideline Study Name
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MRID Number

Submitter

Status

**Note**

[illegible]

Signature

Duke S Schlatkin

Name and Title	Julie B. Schlekau
Registration Specialist	

Date	9/13/02
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reviewing the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	9/13/02	EPA Reg. No./File Symbol	1021-	Page	4 of 12
Applicant's/Registrant's Name & Address		Product			

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

MULTICIDE® Fogging Concentrate 2798

Ingredient Piperonyl Butoxide

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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Signature	Name and Title	Date
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*Julie B Schiekau*

Julie B. Schiekau  
Registration Specialist

9/13/02













## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.

WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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## DATA MATRIX

Date	9/13/02
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Applicant's/Registrant's Name &amp; Address

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

Ingredient	Piperonyl Butoxide
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Guideline Reference Number	Guideline Study Name
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MRID Number

Submitter

Status

**Note**

EPA Reg. No./File Symbol

1021-

Page 7 of 12

Product	Price	Quantity	Total Revenue
Product A	10	100	1000
Product B	20	50	1000
Product C	30	33.33	1000
Product D	40	25	1000
Product E	50	20	1000
Product F	60	16.67	1000
Product G	70	14.29	1000
Product H	80	12.5	1000
Product I	90	11.11	1000
Product J	100	10	1000

MULTICIDE® Fogging Concentrate 2798

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<b>Name and Title</b> <b>Julie B. Schlekau</b> <b>Registration Specialist</b>
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Date  
9/13/02

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

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## DATA MATRIX

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MULTICIDE® Fogging Concentrate 2798

### Note

Date	9/13/02
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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street S W

WASHINGTON, D.C. 20460

Form Approved OMB No. 0750-0040

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## DATA MATRIX

Date	9/13/02
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Applicant's/Registrant's Name &amp; Address

McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No./File Symbol	Product
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1021-

Page 9 of 12

MULTICIDE® Fogging Concentrate 2798

Ingredient	Piperonyl Butoxide
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Guideline Reference Number	Guideline Study Name	MRID Number
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[illegible]

Signature

John B. Schulten

**Name and Title**  
Julie B. Schlekau  
Registration Specialist

Date	9/13/02
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2798-0902

**MGK<sup>®</sup>** McLAUGHLIN  
GORMLEY  
KING COMPANY

MULTICIDE<sup>®</sup> Fogging Concentration 2798

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A.

TELEPHONE (763) 544-0341

[ ] denotes alternate language

A Quick Knockdown, Oil Soluble Synergized Synthetic Pyrethroid for Effective Control of Adult MOSQUITOES, GNATS, BITING AND NON-BITING MIDGES, BLACKFLIES and other BITING FLIES in Outdoor Residential and Recreational Areas.

For Application Only By Public Health Officials and Trained Personnel of Mosquito Abatement Districts and other Mosquito Control Programs.

**ACTIVE INGREDIENTS:**

Prallethrin: (RS)-2-methyl-4-oxo-3-(2-propynyl) cyclopent-2-enyl-(1RS)-cis, trans-chrysanthemate .....	1.00%
Sumithrin <sup>®</sup> : 3-Phenoxybenzyl-(1RS, 3RS, 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) Cyclopropanecarboxylate .....	5.00%
* Piperonyl Butoxide, Technical .....	5.00%
** OTHER INGREDIENTS .....	89.00%
	100.00%

\* Equivalent to 4.00% (butylcarbityl) (6-propylpiperonyl) ether and 1.00% related compounds

\*\* Contains petroleum distillate

Contains 0.074 pounds of Technical Prallethrin/Gallon, 0.37 pounds of Technical Sumithrin<sup>®</sup>/Gallon and 0.37 pounds of Technical Piperonyl Butoxide/Gallon.

MULTICIDE<sup>®</sup> - Registered trademark of McLaughlin Gormley King Company

Sumithrin<sup>®</sup> - Registered trademark of Sumitomo Chemical Company, Ltd.

**KEEP OUT OF REACH OF CHILDREN****CAUTION**

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente

**FIRST AID****NOTE TO PHYSICIAN**

Contains Petroleum distillates - vomiting may cause aspiration pneumonia. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call the International Poison Center at 1-888-740-8712

**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION**

Wash thoroughly with soap and water after handling. Do not induce vomiting because of aspiration pneumonia hazard.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly over water except when used over water for control of specified insects on label. Do not contaminate untreated water by cleaning of equipment. Cleaning of equipment or disposal of wastes must be done in a manner that avoids contamination of bodies of water or wetlands.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.





## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**IN CALIFORNIA:** This product is to be applied by County Health Department, State Department of Health Services, Mosquito and Vector Control or Mosquito Abatement District personnel only.

**PROHIBITION ON AERIAL USE:** Not for aerial application in Florida unless specifically authorized by the Bureau of Entomology, Florida Department of Agriculture and Consumer Services.

Wear long sleeved shirt and long pants, socks and shoes.

MULTICIDE® Fogging Concentrate 2798 cannot be diluted in water. Dilute this product with a suitable solvent, such as light mineral oil, if dilution is preferred.

**USE AREAS:** For use in mosquito adulticiding programs involving outdoor residential and recreational areas such as, but not limited to, mosquito abatement districts, municipalities, urban, suburban and rural areas. For best results, apply when mosquitoes are most active and meteorological conditions are conducive to keeping the spray cloud close to the ground, such as when air temperature inversion is present. Do not apply when wind speeds exceed 10 mph.

**GROUND U.L.V. APPLICATION:** To control Mosquitoes and other listed insects, apply MULTICIDE® Fogging Concentrate 2798 using any standard U.L.V. ground applicator capable of producing a non-thermal aerosol spray with a mass median diameter (MMD) of 5 to 25 microns. Apply MULTICIDE® Fogging Concentrate 2798 at a flow rate of 1.2 to 7.5 fluid ounces per minute at an average vehicle speed of 10 mph using a swath width of 300 feet for acreage calculations (see chart below). Under normal residential conditions a flow rate of 4.5 fluid ounces per minute is recommended. If a different vehicle speed is used, adjust rate accordingly. These rates are equivalent to 0.0003 to 0.0008 pounds of Prallethrin and 0.0012 to 0.0036 pounds of Sumithrin and Piperonyl Butoxide per acre. Vary flow rate according to vegetation density and mosquito population. Use higher flow rate in heavy vegetation or when populations are high. For proper application, mount the applicator so the nozzle is at least 4 ½ feet above ground level and directed out the back of the vehicle. Failure to follow the above directions may result in reduced effectiveness. MULTICIDE® Fogging Concentrate 2798 may also be diluted with a suitable solvent such as mineral oil and applied by GROUND U.L.V. equipment so long as 1.24 fluid ounces per acre of MULTICIDE® Fogging Concentrate 2798 is not exceeded. Refer to the table on following page for flow rate calculations for diluted end-use formulations of MULTICIDE® Fogging Concentrate 2798.

Pounds a.i./Acre			MFC 2798 Fl. oz./Acre	Flow Rates in fluid oz./minute at truck speeds of:			
Prallethrin	Sumithrin	PBO		5 MPH	10 MPH	15 MPH	20 MPH
0.0008	0.0036	0.0036	1.24	3.8	7.5	11.3	15.0
0.0005	0.0022	0.0022	0.75	2.3	4.5	6.8	9.1
0.0004	0.0018	0.0018	0.62	1.9	3.8	5.6	7.5
0.0003	0.0012	0.0012	0.41	1.2	2.5	3.7	5.0

MULTICIDE® Fogging Concentrate 2798 may be applied undiluted with a non-thermal ULV portable "backpack" or hand-held spray unit capable of delivering droplets in the 5 to 25 micron range. Apply at a walking speed of 2 mph, ensuring that maximum application rates are not exceeded.

**AERIAL APPLICATION:** Aerial applications should be done by suitable aerial U.L.V. equipment capable of producing droplets with a MMD of 30 microns or less with no more than 2.5% exceeding 100 microns. Flow rate and swath width should be set so as to achieve 0.41 to 1.24 fluid ounces of MULTICIDE® Fogging Concentrate 2798 per acre. Examples of application systems include: **FLAT FAN NOZZLES:** Conventional agricultural nozzles (standard flat fan) may not produce droplets within the appropriate size spectrum (MMD). If these nozzles are used, they should be oriented 135° forward and size limited to a spray tip number (representing spray volume) according to aircraft application speed. For example, for application speeds between 60 – 170 mph, use nozzle tips numbering 0005 to 001 (0.05 to 0.1 gallons per minute at 40 psi). For application speeds in excess of 170 mph, nozzle tip numbers up to 004 (0.4 gpm at 40 psi) may be used. **ROTARY ATOMIZERS:** Rotary atomizers should be set to deliver a maximum RPM using the cage mesh or plastic sleeve available from the manufacturer to produce a MMD of 30 microns or less with no more than 2.5% exceeding 100 microns. Other ULV application systems producing droplets within specifications may be used as long as 1.24 fluid ounces of MULTICIDE® Fogging Concentrate 2798 per acre is not exceeded.

MULTICIDE® Fogging Concentrate 2798 may also be diluted with a suitable solvent such as mineral oil and applied by aerial U.L.V. equipment so long as 1.24 fluid ounces per acre of MULTICIDE® Fogging Concentrate 2798 is not exceeded. Refer to the table on following page for flow rate calculations for diluted end-use formulations of MULTICIDE® Fogging Concentrate 2798.

#### MULTICIDE® Fogging Concentrate 2798 (Prallethrin + Sumithrin + PBO) Formulation Dilution Table

##### Undiluted MULTICIDE® Fogging Concentrate 2798

Dosage Description	Pounds a.i./Acre			% Conc.	MFC 2798 Oz./Acre	Flow Rates in fluid oz./minute at truck speeds of:			
	Prallethrin	Sumithrin	PBO			5 MPH	10 MPH	15 MPH	20 MPH
High Population	0.0008	0.0036	0.0036	5.0	1.24	3.8	7.5	11.3	15.0
Recommended	0.0005	0.0022	0.0022	5.0	0.75	2.3	4.5	6.8	9.1
Light Population	0.0004	0.0018	0.0018	5.0	0.62	1.9	3.8	5.6	7.5
	0.0003	0.0012	0.0012	5.0	0.41	1.2	2.5	3.7	5.0



# Dilution Calculations

Dosage Description	Pounds a.i. /Acre			% Conc. *	Fluid oz. finished spray/ Acre	Flow Rates in fluid oz./minute at truck speeds of:			
	Prallethrin	Sumithrin	PBO			5 MPH	10 MPH	15 MPH	20 MPH
High Population	0.0008	0.0036	0.0036	4.0	1.55	4.7	9.4	14.1	18.8
Recommended	0.0005	0.0022	0.0022	4.0	0.94	2.8	5.7	8.5	11.4
Light Population	0.0004	0.0018	0.0018	4.0	0.78	2.3	4.7	7.0	9.4
	0.0003	0.0012	0.0012	4.0	0.52	1.6	3.2	4.7	6.3

Dosage Description	Pounds a.i. /Acre			% Conc. *	Fluid oz. Finished spray/Acre	Flow Rates in fluid oz./minute at truck speeds of:			
	Prallethrin	Sumithrin	PBO			5 MPH	10 MPH	15 MPH	20 MPH
High Population	0.0008	0.0036	0.0036	3.0	2.07	6.3	12.5	18.8	25.1
Recommended	0.0005	0.0022	0.0022	3.0	1.25	3.8	7.6	11.4	15.2
Light Population	0.0004	0.0018	0.0018	3.0	1.04	3.1	6.3	9.4	12.5
	0.0003	0.0012	0.0012	3.0	0.69	2.1	4.2	6.3	8.4

Dosage Description	Pounds a.i. /Acre			% Conc. *	Fluid oz. Finished spray/Acre	Flow Rates in fluid oz./minute at truck speeds of:			
	Prallethrin	Sumithrin	PBO			5 MPH	10 MPH	15 MPH	20 MPH
High Population	0.0008	0.0036	0.0036	2.0	3.10	9.4	18.8	28.2	-
Recommended	0.0005	0.0022	0.0022	2.0	1.88	5.7	11.4	17.0	22.7
Light Population	0.0004	0.0018	0.0018	2.0	1.55	4.7	9.4	14.1	18.8
	0.0003	0.0012	0.0012	2.0	1.03	3.1	6.2	9.4	12.5

Dosage Description	Pounds a.i. /Acre			% Conc. *	Fluid oz. Finished spray/Acre	Flow Rates in fluid oz./minute at truck speeds of:			
	Prallethrin	Sumithrin	PBO			5 MPH	10 MPH	15 MPH	20 MPH
High Population	0.0008	0.0036	0.0036	1.0	6.20	18.8	-	-	-
Recommended	0.0005	0.0022	0.0022	1.0	3.80	11.5	23.0	-	-
Light Population	0.0004	0.0018	0.0018	1.0	3.10	9.4	18.8	28.2	-
	0.0003	0.0012	0.0012	1.0	2.07	6.3	12.5	18.8	25.1

\*Based on Sumithrin Concentration

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal

**STORAGE:** Store in a cool, dry place. Keep container closed.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Net Contents \_\_\_\_\_

Manufactured by:

Mc LAUGHLIN GORMLEY KING COMPANY

8810 Tenth Avenue North

Minneapolis, MN 55427

EPA Reg. No. 1021-

EPA\*Est. No. 1021-MN-2